

**SIEMENS**



PATENT

Attorney Docket No. 2003P15291US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Inventor:	V. Philip et al.	)		
		)	Group Art Unit:	1762
Serial No.:	10/733,740	)		
		)	Examiner:	K. Bareford
Filed:	December 11, 2003	)		

Title: REPAIR OF ZIRCONIA-BASED THERMAL BARRIER COATINGS

**Commissioner For Patents**  
**PO Box 1450**  
**Alexandria, VA 22313-1450**

Sir:

**DECLARATION OF VINOD PHILIP**  
**UNDER 37 C.F.R. § 1.131**

1. I, Vinod Philip, a citizen of India, hereby declare and state as follows:
2. I am a co-inventor of the above-identified patent application.
3. I have been continuously employed by Siemens Westinghouse Power Corporation (SWPC) and its predecessor, Westinghouse Electric Corporation, since June 1997. I am currently the materials applications department manager within the materials engineering sector.
4. Prior to September 25, 2002, my co-inventors, Sudipta Seal, Weifeng Fei and Satyajit Shukla, and I conceived in the United States an embodiment of the invention

disclosed and claimed in above-identified patent application. In particular, we conceived our invention on May 16, 2002 and explained our invention to witnesses on the same date (see highlighted text on page 1 of Exhibit A).

5. After conception, we diligently conducted analysis and experiments to reduce our invention to practice.

6. On November 18, 2002, my co-inventors and I submitted an Invention Disclosure to the SWPC Intellectual Property Department, a copy of which is attached as Exhibit A, which includes a description of our invention.

7. On information and belief, in accordance with standard practices, the Invention Disclosure was forwarded to the SWPC Patent Review Committee, which on February 12, 2003 determined that a patent application should be filed for the invention.

8. On information and belief, in accordance with standard practices, the SWPC retained outside patent counsel to prepare a patent application for the invention.

9. In May 2003, I discussed the invention with outside patent counsel and we decided on a patenting strategy for the invention.

10. On information and belief, in accordance with standard practices and based on the May 2003 discussions, patent counsel prepared a draft of the patent application. Upon completion of the draft, we iteratively reviewed and revised the patent application.

11. On information and belief, in accordance with standard corporate practices, I signed a Declaration for the fully revised patent application, which was filed with the US Patent Office on December 11, 2003.

12. On information and belief, at all times prior to filing, the invention was maintained as SWPC confidential information and not available to the public.

13. On information and belief, as exemplified above, my co-inventors and I, as well as the SWPC Intellectual Property department and outside patent counsel, exercised due diligence from the conception and/or reduction to practice (prior to September 25, 2002) to reduction to practice and/or filing the patent application.

14. All statements made herein of my own knowledge are true, and all statements made of information and belief are believed true. I acknowledge that willful false statements and the like are punishable by fine or imprisonment, or both, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Dated: AUG 31<sup>st</sup>, 2005

By:

  
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Vinod Philip